

1633

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/397,782

DATE: 05/07/2001  
TIME: 18:12:14

Input Set : A:\Inga004.app  
Output Set: N:\CRF3\05072001\I397782.raw

RECEIVED

MAY 24 2001

TECH CENTER 1009/2000

ENTERED

3 <110> APPLICANT: CONRAD, CHARLES A.  
5 <120> TITLE OF INVENTION: IN VIVO PRODUCTION OF ssDNA USING REVERSE TRANSCRIPTASE  
6 WITH PREDEFINED REACTION TERMINATION VIA STEM-LOOP  
7 FORMATION  
9 <130> FILE REFERENCE: INGA,004/CIP  
11 <140> CURRENT APPLICATION NUMBER: 09/397,782  
12 <141> CURRENT FILING DATE: 1999-09-16  
14 <150> PRIOR APPLICATION NUMBER: 09/169,793  
15 <151> PRIOR FILING DATE: 1998-10-09  
17 <150> PRIOR APPLICATION NUMBER: 08/877,251  
18 <151> PRIOR FILING DATE: 1997-06-17  
20 <150> PRIOR APPLICATION NUMBER: 08/236,504  
21 <151> PRIOR FILING DATE: 1994-04-29  
23 <160> NUMBER OF SEQ ID NOS: 20  
25 <170> SOFTWARE: PatentIn Ver. 2.1  
27 <210> SEQ ID NO: 1  
28 <211> LENGTH: 129  
29 <212> TYPE: DNA  
30 <213> ORGANISM: Artificial Sequence  
32 <220> FEATURE:  
33 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
34 oligonucleotide  
36 <400> SEQUENCE: 1  
37 ctagggtcggc ggccgcgaag attggtgcgc acacacacaa cgcgacacaa ttttcgcggc 60  
38 cgccgacccg tcagcggggg tctttcattt gggggtcgt ccgggatcgg gagaccctg 120  
39 ccagggcc 129  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 121  
44 <212> TYPE: DNA  
45 <213> ORGANISM: Artificial Sequence  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
49 oligonucleotide  
51 <400> SEQUENCE: 2  
52 ctgggcaggg gtctcccgat cccggacgag ccccaaatg aaagaccccc gctgacgggt 60  
53 cggcgccgc gaagattggt gcgcgttggt tgtgtgcga ccaatcttcg cggccgccga 120  
54 c 121  
57 <210> SEQ ID NO: 3  
58 <211> LENGTH: 57  
59 <212> TYPE: DNA  
60 <213> ORGANISM: Artificial Sequence  
62 <220> FEATURE:  
63 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
64 oligonucleotide  
66 <400> SEQUENCE: 3  
67 ggccggaaga ttggggcgcc aaagagtaac tctcaaaggc acgcgccccca atcttcc 57  
70 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING                      DATE: 05/07/2001  
 PATENT APPLICATION: US/09/397,782        TIME: 18:12:14

Input Set : A:\Inga004.app  
 Output Set: N:\CRF3\05072001\I397782.raw

```

71 <211> LENGTH: 57
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
77     oligonucleotide
79 <400> SEQUENCE: 4
80 ggccggaaga ttggggcgcg tgcctttgag agttactott tggcgcccca atcttcc    57
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 92
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
90     oligonucleotide
92 <400> SEQUENCE: 5
93 ggccggaaga ttggggcggt agggttaggg ttagggtagg ggtaggggtt agggttaggg 60
94 ttagggtagg ggtagggcg ccccaatott cc                                92
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 92
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104     oligonucleotide
106 <400> SEQUENCE: 6
107 ggccggaaga ttggggcgcc ctaaccctaa ccctaaccct aaccctaacc ctaaccctaa 60
108 ccctaaccct aaccctaacg ccccaatott cc                                92
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 51
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118     oligonucleotide
120 <400> SEQUENCE: 7
121 ggccttgaag agcggcgca ctaacaccac cacagtgcgg ccgctcttca a          51
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 51
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131     oligonucleotide
133 <400> SEQUENCE: 8
134 ggccttgaag agcggcgca ctgtggtggt gttagtgcgg ccgctcttca a          51
137 <210> SEQ ID NO: 9
138 <211> LENGTH: 32
139 <212> TYPE: DNA

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/397,782

DATE: 05/07/2001  
TIME: 18:12:14

Input Set : A:\Inga004.app  
Output Set: N:\CRF3\05072001\I397782.raw

RECEIVED

MAY 24 2001

TECH CENTER 1600/2900

```

140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144     oligonucleotide
146 <400> SEQUENCE: 9
147 gggatcagga gctcagatca tgggaccaat gg          32
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 24
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
157     oligonucleotide
159 <400> SEQUENCE: 10
160 cttgtgcaca agctttgcag gtct          24
163 <210> SEQ ID NO: 11
164 <211> LENGTH: 18
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     oligonucleotide
172 <400> SEQUENCE: 11
173 cttagcgcaa gcgtagct          18
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     oligonucleotide
185 <400> SEQUENCE: 12
186 acgcttgccg          10
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 30
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     oligonucleotide
198 <400> SEQUENCE: 13
199 caattaagga aagctttgaa aaattatgtc          30
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 27
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
209     oligonucleotide

```

RAW SEQUENCE LISTING                      DATE: 05/07/2001  
 PATENT APPLICATION: US/09/397,782        TIME: 18:12:14

Input Set : A:\Inga004.app  
 Output Set: N:\CRF3\05072001\I397782.raw

```

211 <400> SEQUENCE: 14
212 taatggcccg ggcatagtcg ggtaggg          27
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 43
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
222     oligonucleotide
224 <400> SEQUENCE: 15
225 agctggatcc cccgctcccc accaccacca ccaccctgcc cct          43
228 <210> SEQ ID NO: 16
229 <211> LENGTH: 42
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
235     oligonucleotide
237 <400> SEQUENCE: 16
238 agcaggggca ggggtggtggt ggtggtgggg agcgggggat cc          42
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 121
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
248     oligonucleotide
250 <400> SEQUENCE: 17
251 atatctatta attttgcaa atcatagcgg ttatgtgac tcaggtgaat gccgcgataa 60
252 ttttcagatt gcaatctttc atcaatgaat ttcagtgatg aattgccaag attgatgttg 120
253 c                                          121
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 111
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
263     oligonucleotide
265 <400> SEQUENCE: 18
266 gacgagatct cctccaggaa ttctcgagaa ttcggatccc ccgctcccca ccaccaccac 60
267 caccaccctg ccccgcggat gaaaaattat gtgagcaaca tcaatcttgg c          111
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 129
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA construct
278 <400> SEQUENCE: 19
279 ctaggtcggc ggccttgaag agcggccgca ctaacaccac cacagtgcgg ccgctcttca 60

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/397,782

DATE: 05/07/2001  
TIME: 18:12:14

Input Set : A:\Inga004.app  
Output Set: N:\CRF3\05072001\I397782.raw

```
280 aggccgccga cccgtcagcg ggggtctttc atttgggggc tcgtccggga tcgggagacc 120
281 cctgcccag                                     129
284 <210> SEQ ID NO: 20
285 <211> LENGTH: 200
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA construct
292 <400> SEQUENCE: 20
293 ttagggttag ggtaggggtt agggttaggg ttagggttag ggtaggggtt agggttaggg 60
294 cctaggtcgg cggccggaag attggggcgc caaagagtaa ctctcaaagg cacgcgcccc 120
295 aatcttccgg ccgccgaccc gtcagcgggg gtctttcatt tgggggctcg tccgggatcg 180
296 ggagaccctt gccagggcc                                     200
```

VERIFICATION SUMMARY

DATE: 05/07/2001

PATENT APPLICATION: US/09/397,782

TIME: 18:12:15

Input Set : A:\Inga004.app

Output Set: N:\CRF3\05072001\I397782.raw